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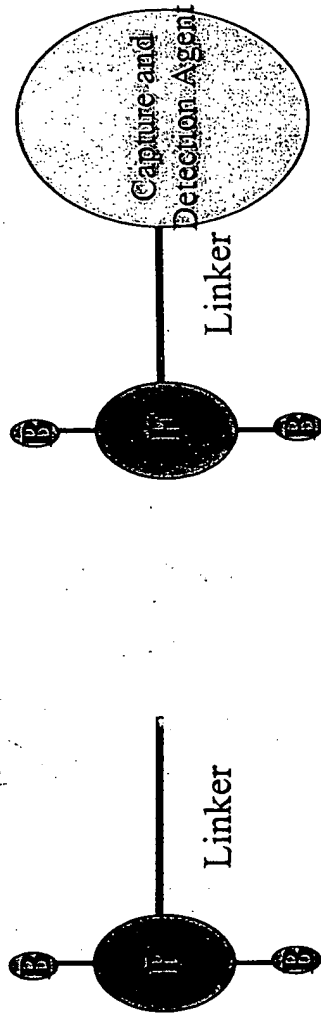
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High-throughput Target ID



Library of Bioactive
Compounds

Library of Target ID
Compounds

Use corresponding
activity-based probe to
identify the biological target

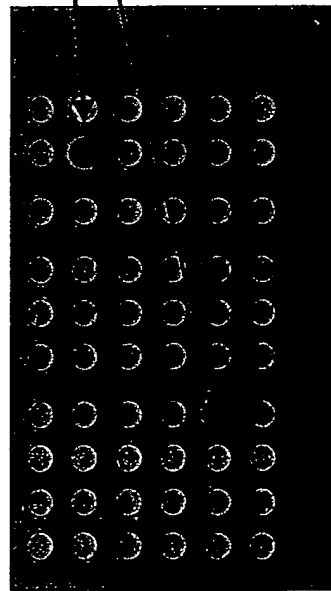


FIGURE 1

#5

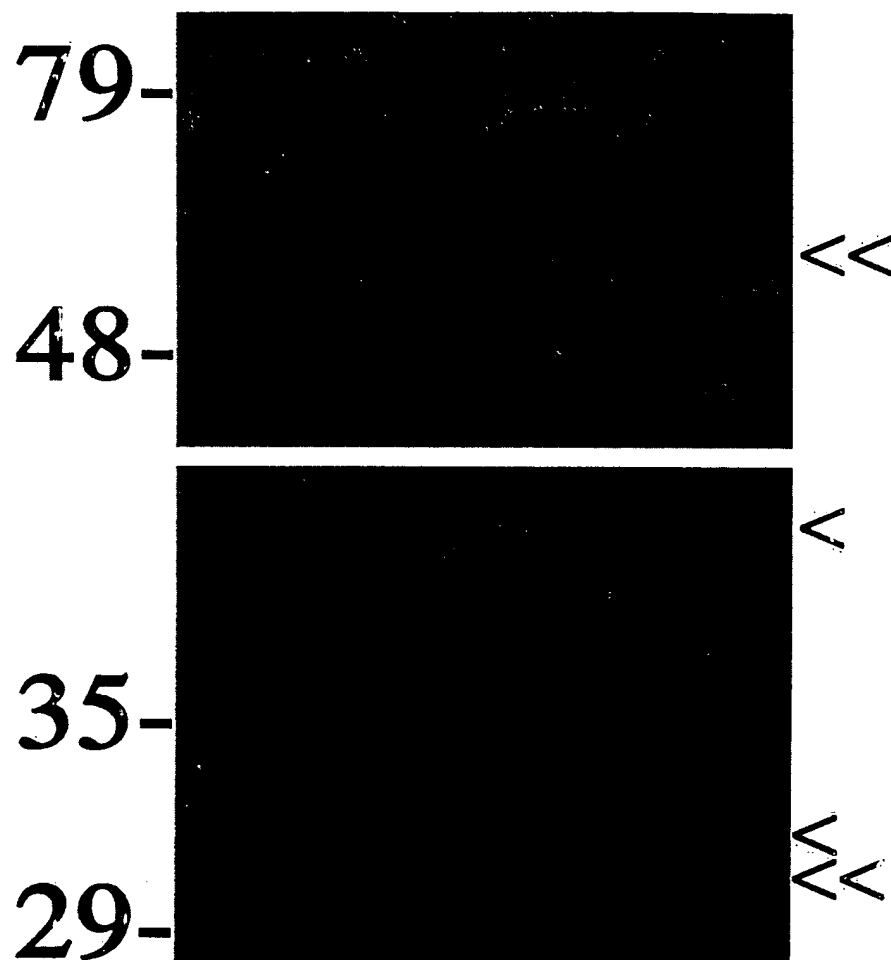
[illegible]

FIGURE 2

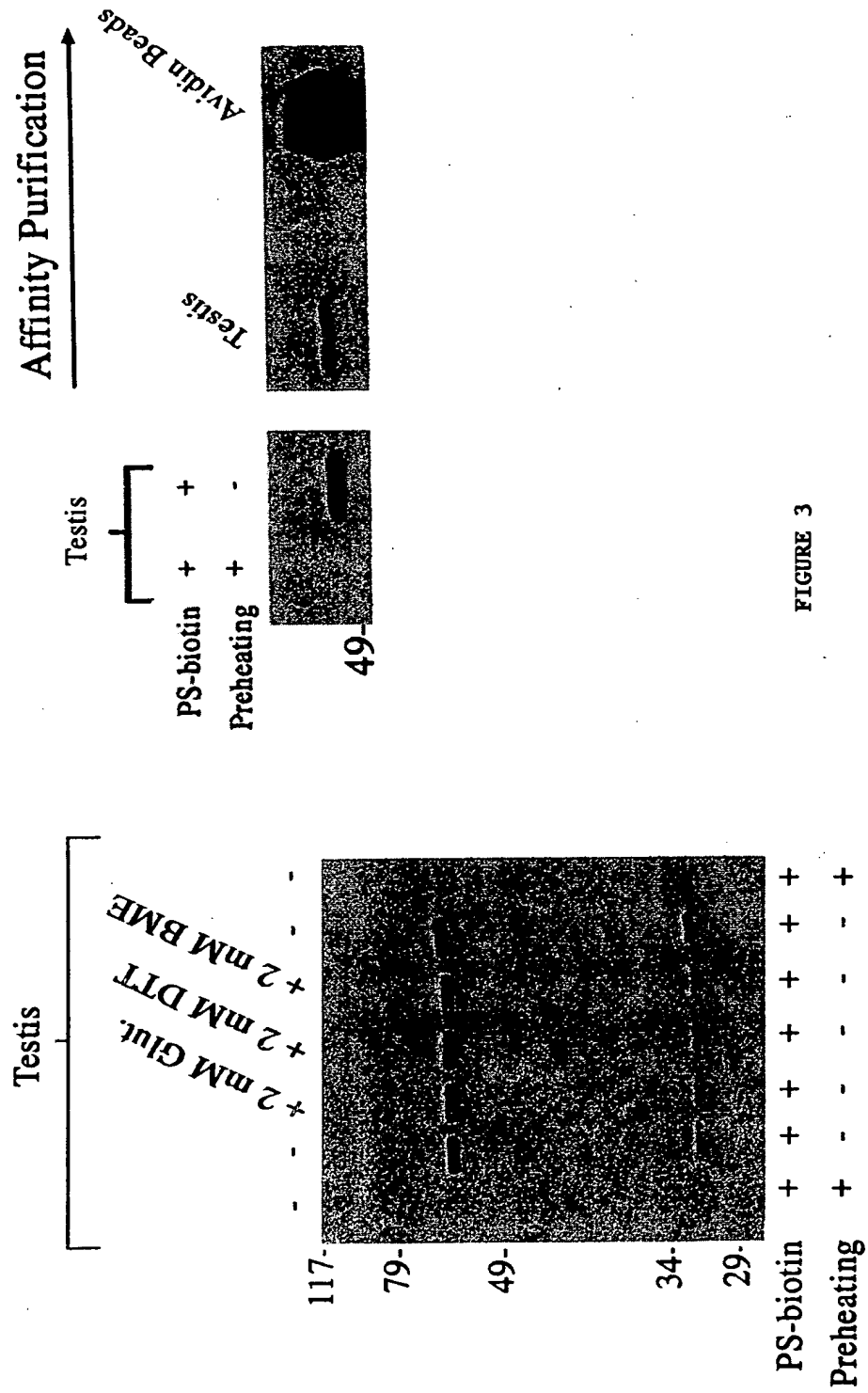
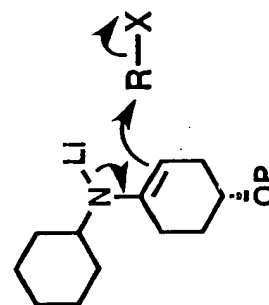
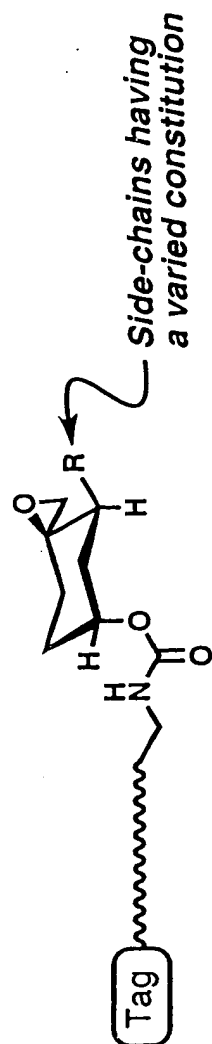
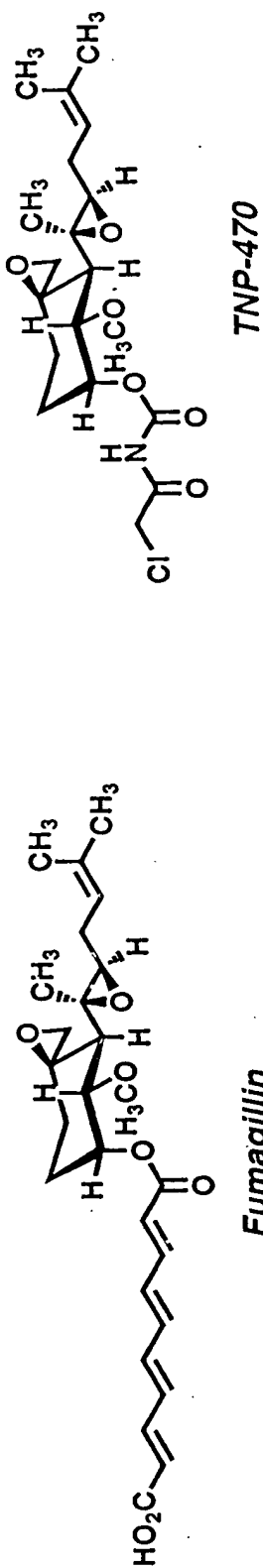


FIGURE 3



X = halide
R = various aliphatic, alicyclic, alkyl aryl, or alkyl heteroaryl groups
P = unspecified protecting group

FIGURE 4A

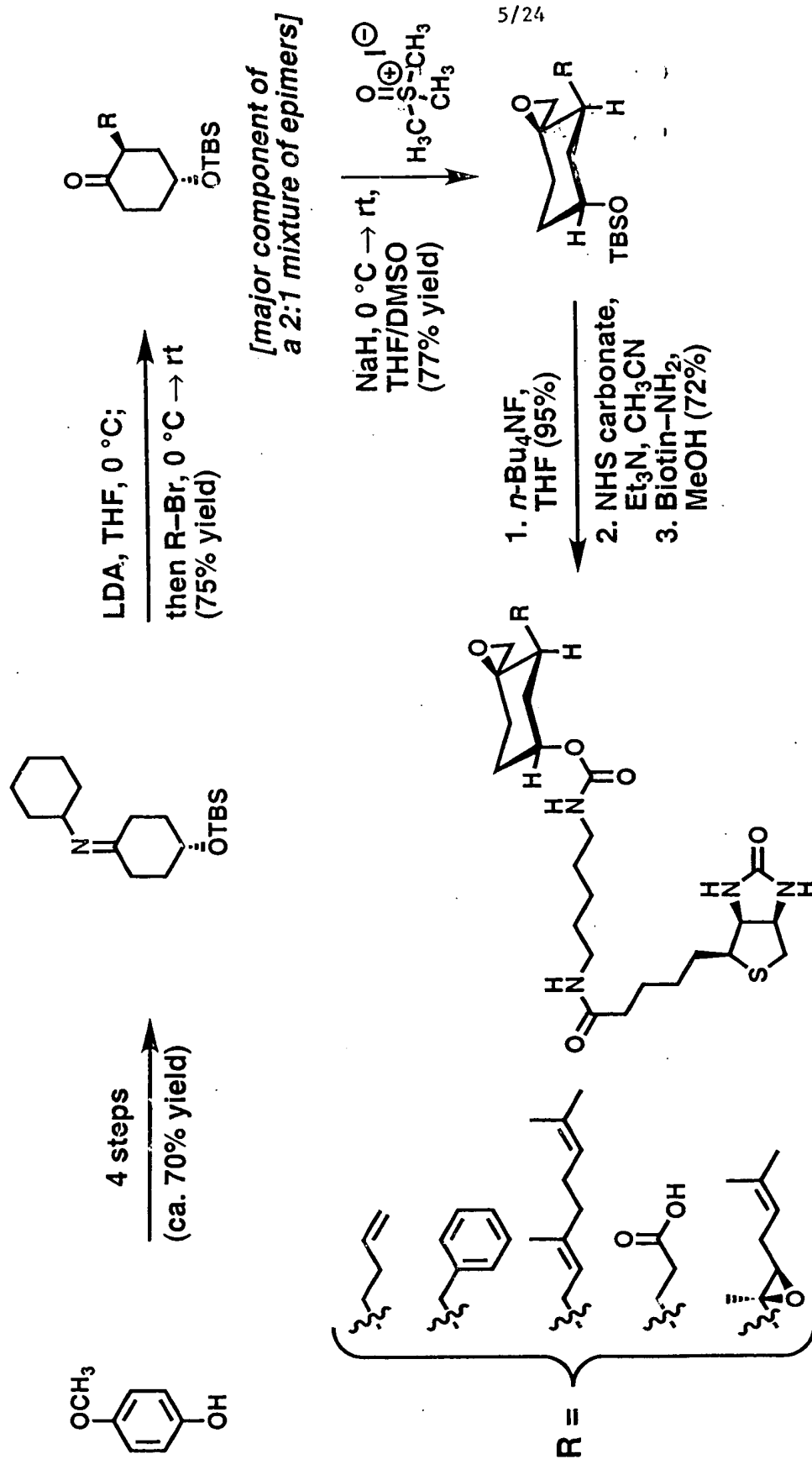


FIGURE 4B

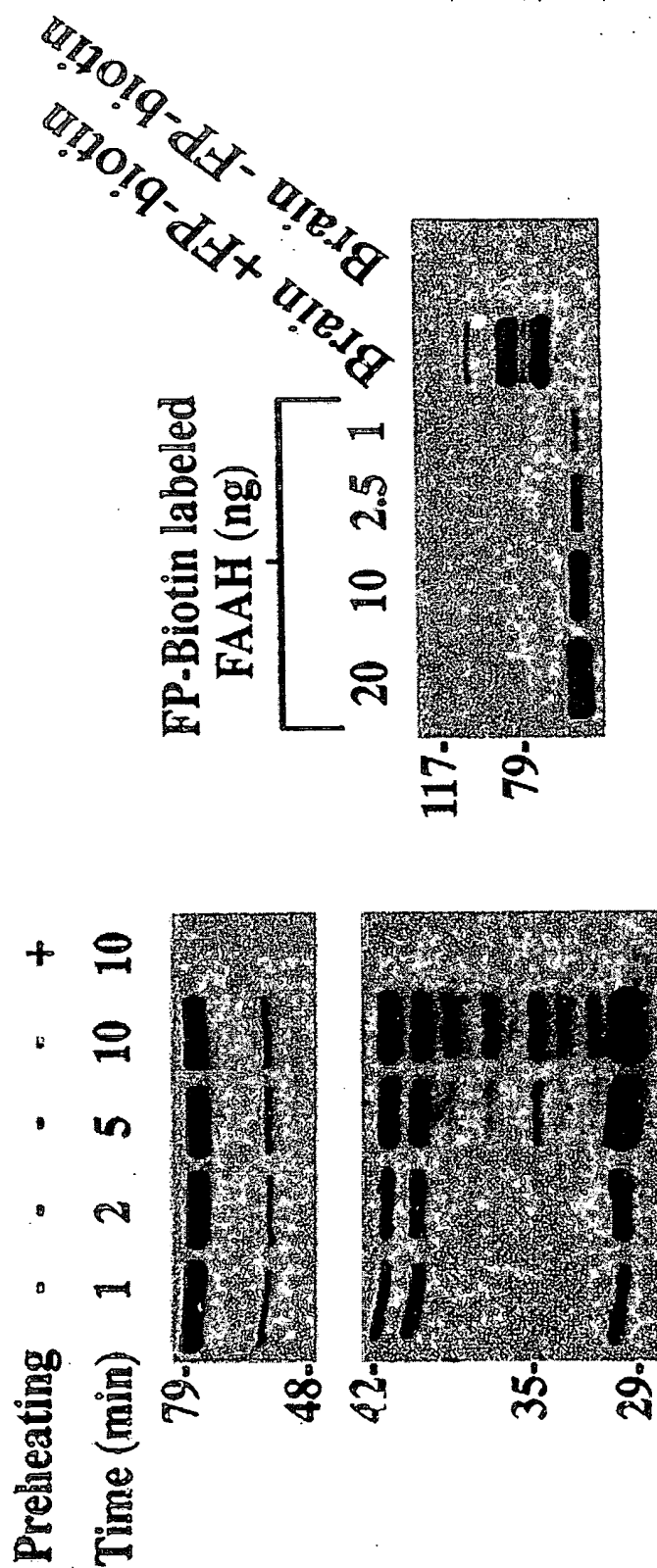
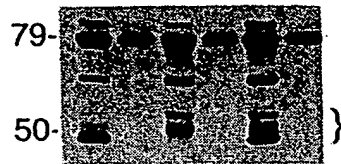


FIGURE 5

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FP-peg-biotin (μ M)	4	4	0	0	2	2
FP-biotin (μ M)	0	0	4	4	2	2
Preheated	-	+	-	+	-	+



FP-peg-biotin	-	-	+	+
FP-biotin	+	+	-	-
Preheated	+	-	-	+

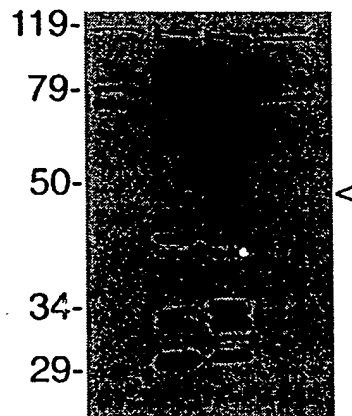


FIGURE 6

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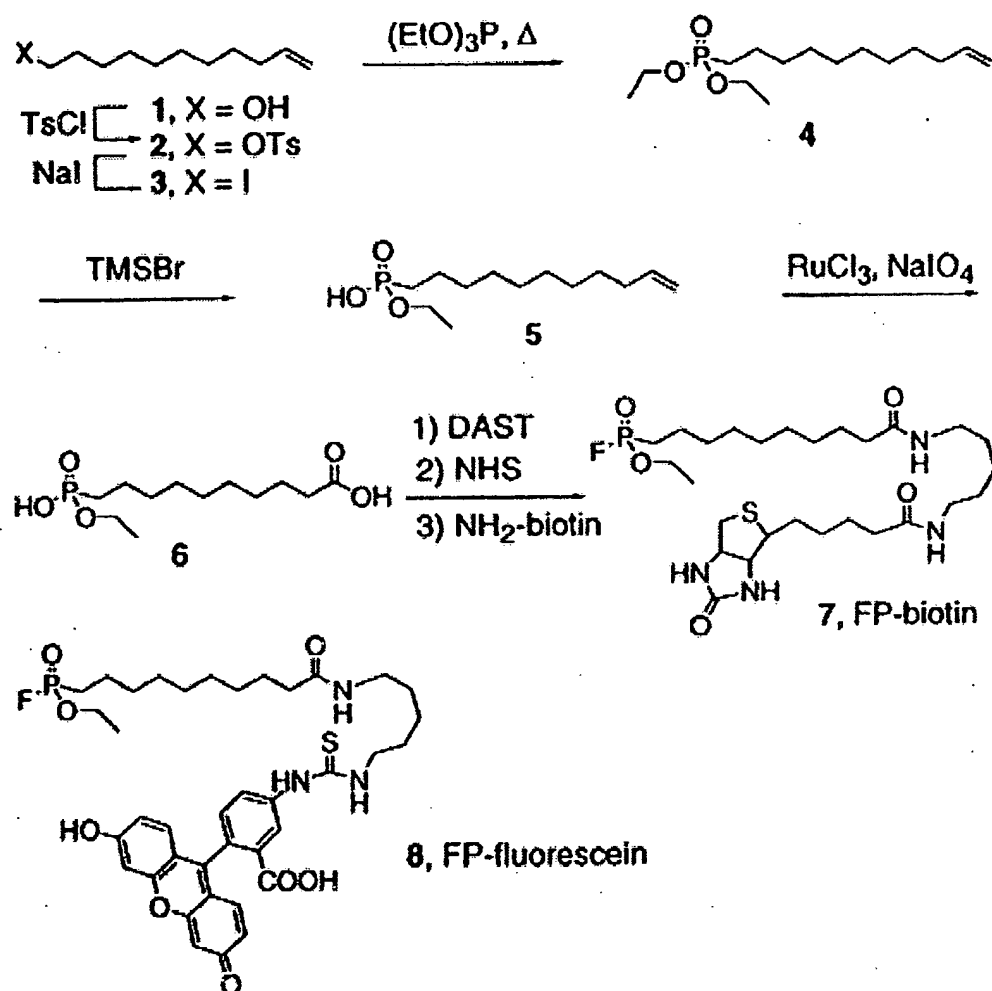


FIGURE 8

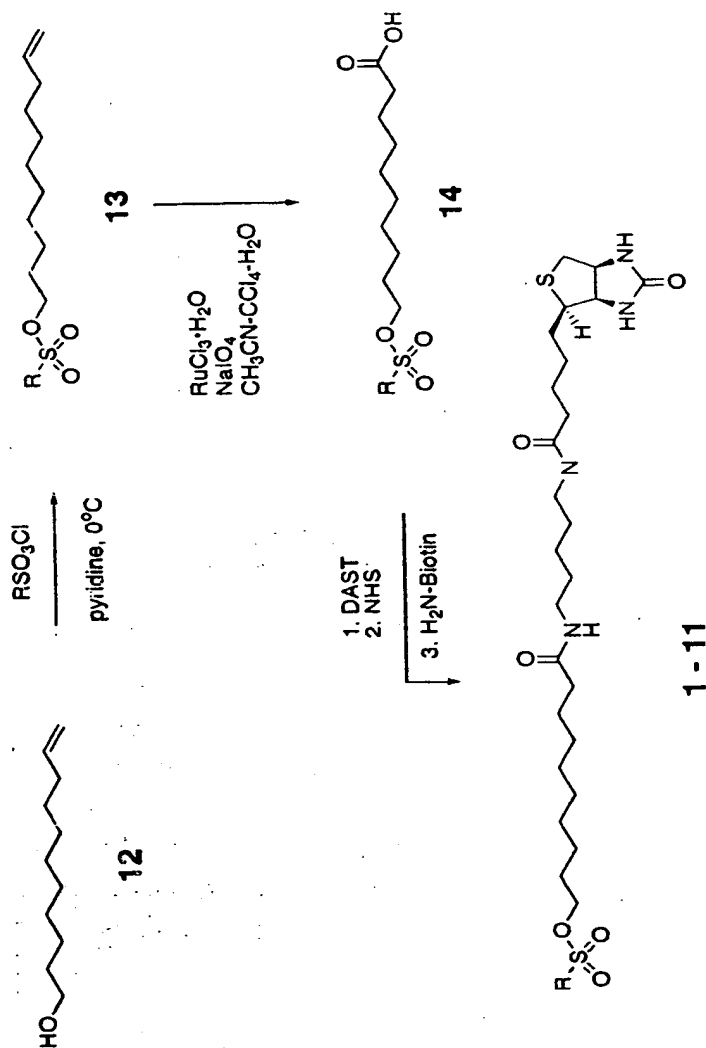
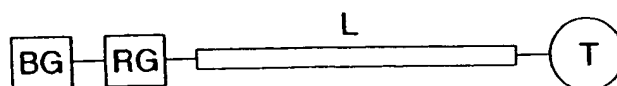


FIGURE 9

A.



B.

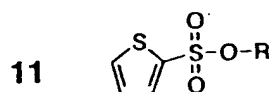
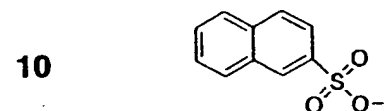
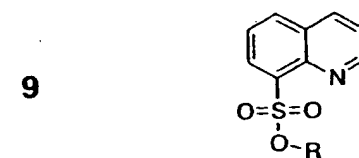
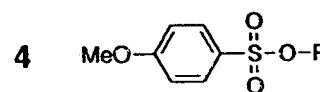
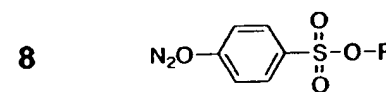
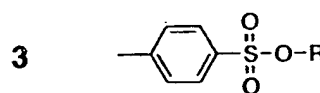
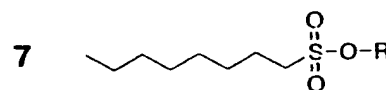
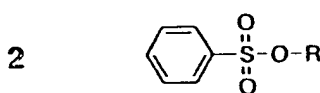
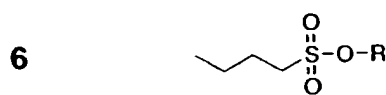
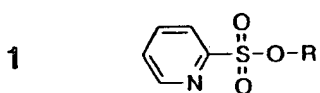
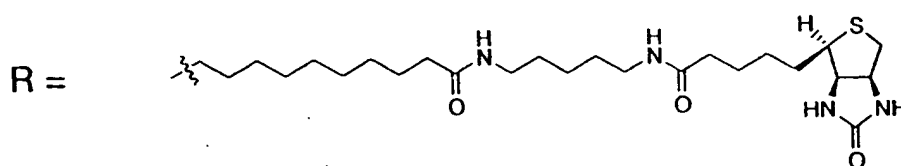
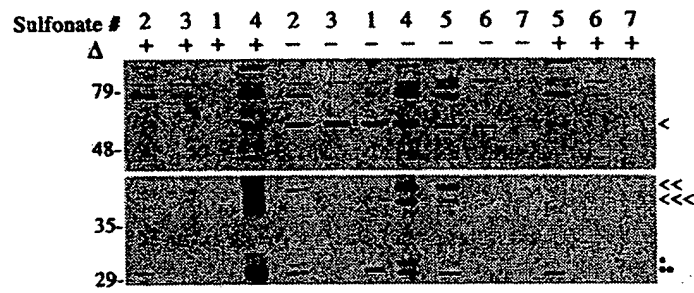


FIGURE 10

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A



B

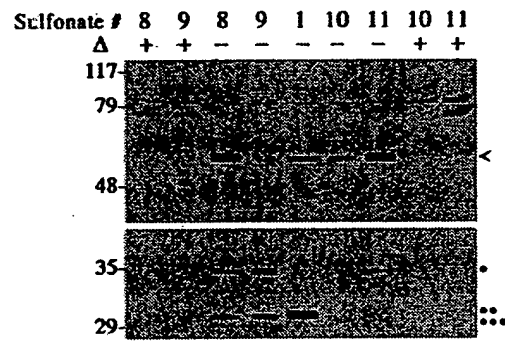


FIGURE 11

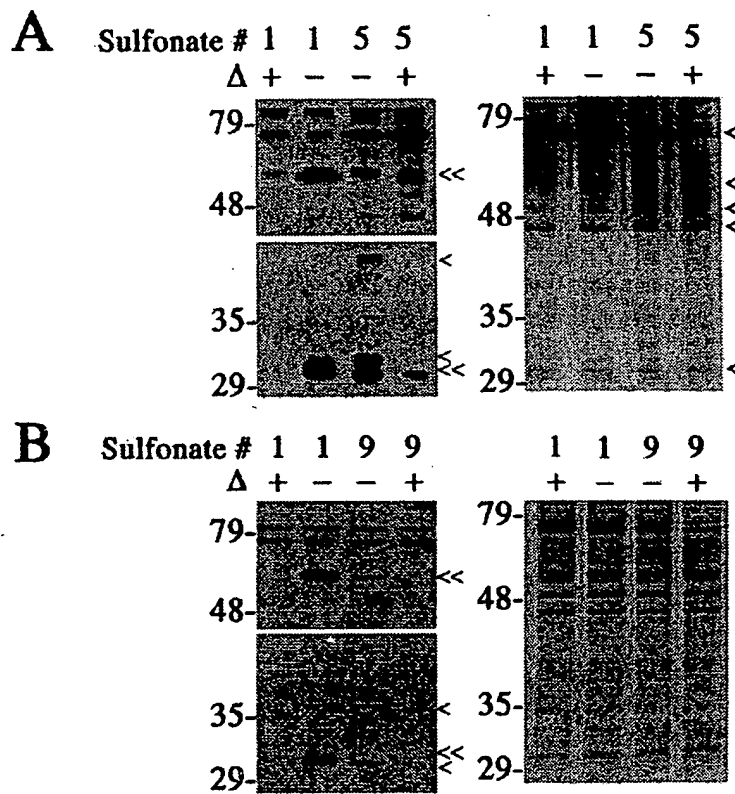


FIGURE 12

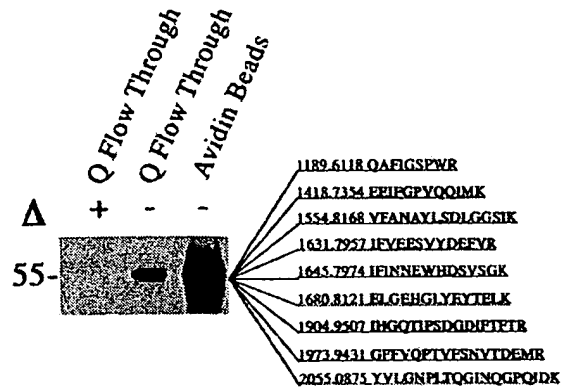
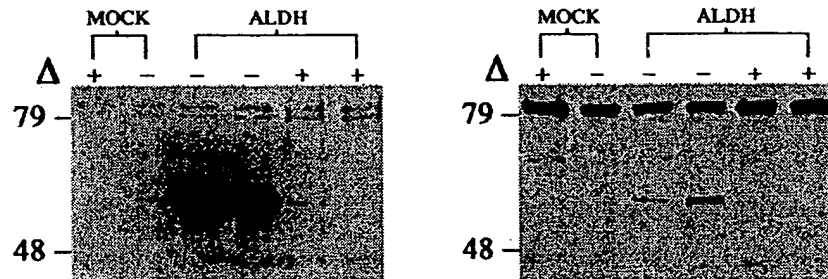
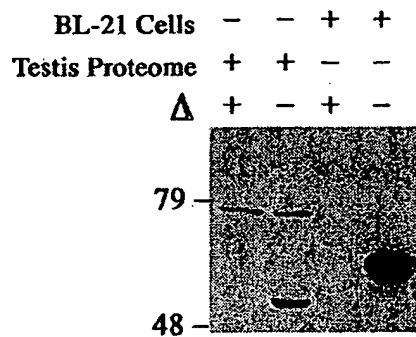
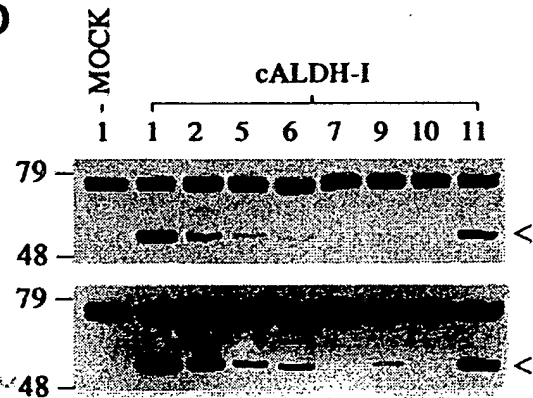
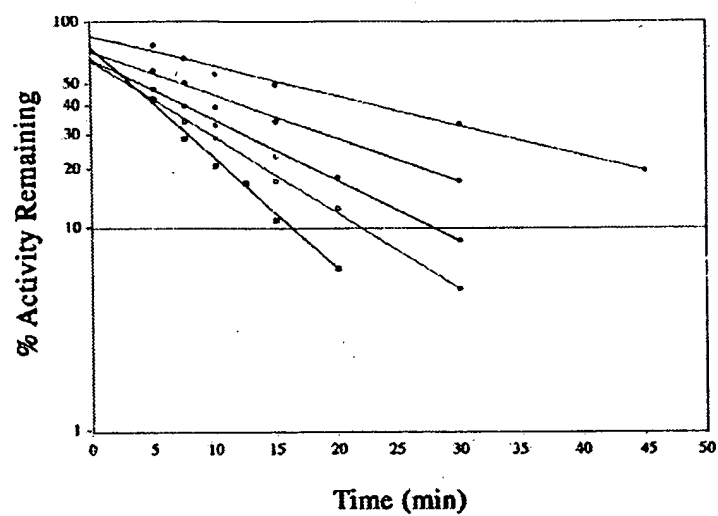
A**B****C****D**

FIGURE 13

A**B**

Competitor #	-	-	15	17	16	15	17	16
[Competitor (μ M)]	0	0	5	5	5	50	50	50
Δ	+	-	-	-	-	-	-	-

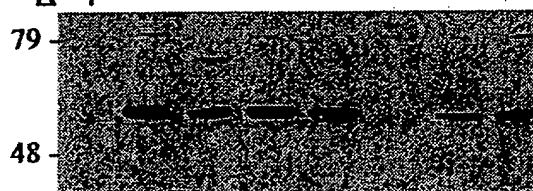


FIGURE 14

FP-biotin	-	-	+	+	+	+
Sulfonate #1	+	+	+	-	+	-
Δ	+	-	-	-	+	+

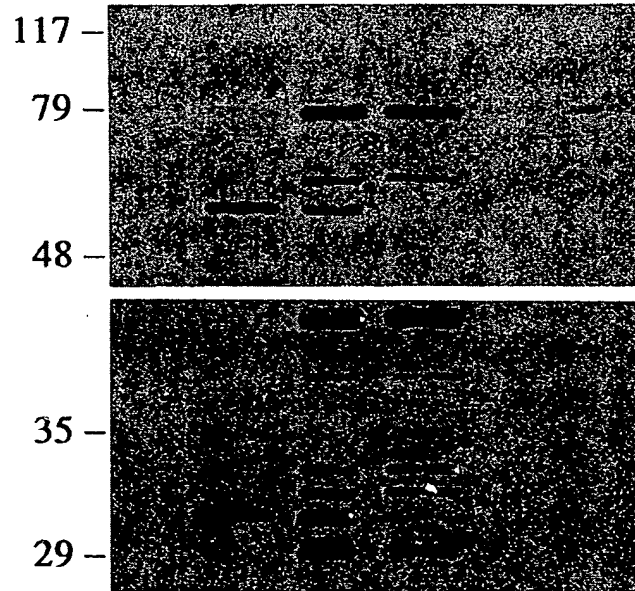


FIGURE 15

FP-peg-biotin

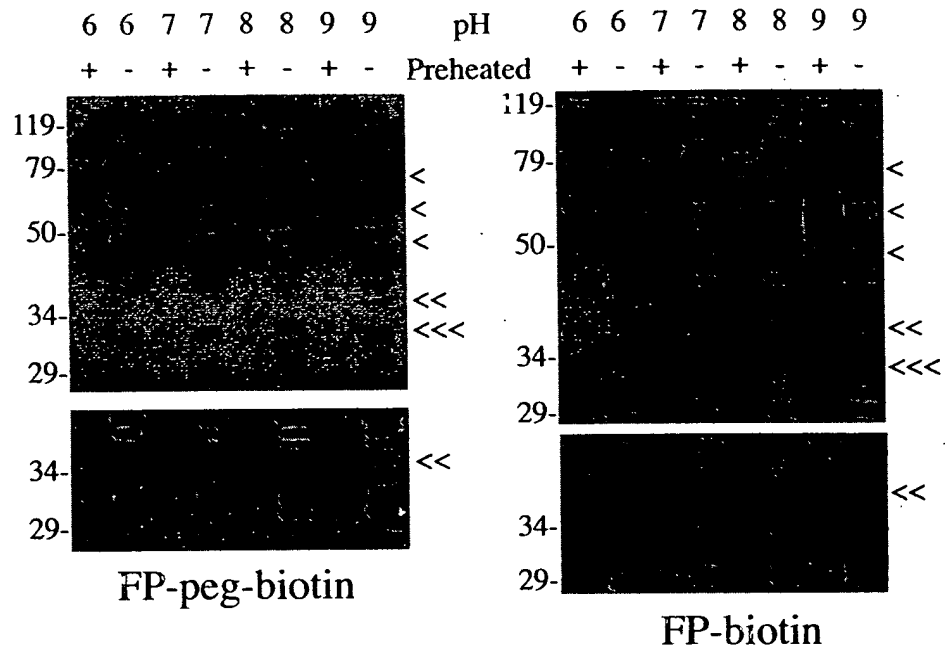


FIGURE 16

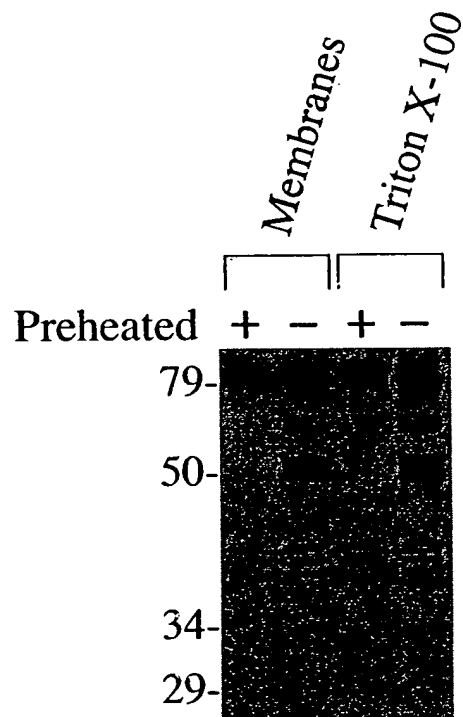


FIGURE 17

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FP-peg-biotin	+	+	+	+	+	+	-	-	-
FP-biotin	-	-	-	-	-	-	+	+	+
OTFMK	0	0	200	50	5	1	0	200	50
Δ	+	-	-	-	-	-	-	-	-

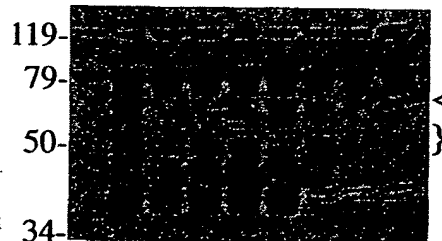


FIGURE 18

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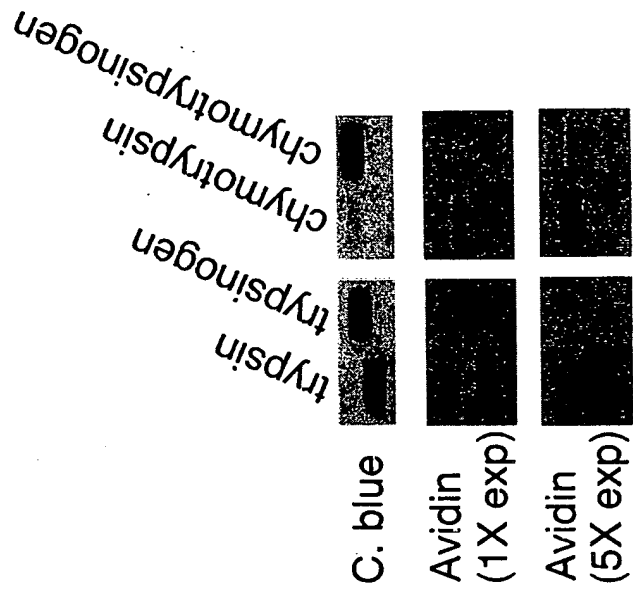
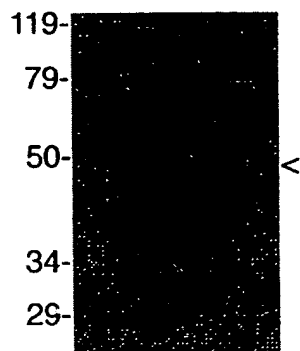


FIGURE 19

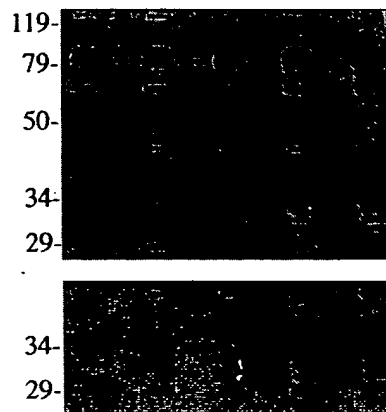
A.

FP-peg-biotin	-	-	+	+
FP-biotin	+	+	-	-
Preheated	+	-	-	+



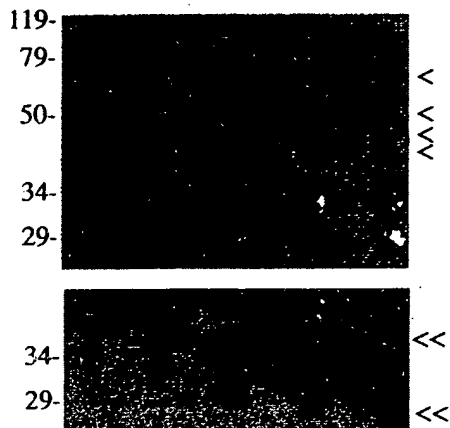
B.

FP-biotin (μ M)	0.5	1	1	2	2	4	4	8	8
Preheated	-	+	-	+	-	+	-	+	-



C.

FP-peg-biotin (μ M)	0.5	1	1	2	2	4	4	8	8
Preheated	-	+	-	+	-	+	-	+	-



D.

FP-peg-biotin (μ M)	1	2	8
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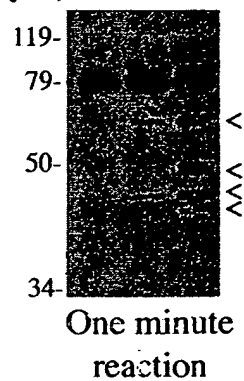


FIGURE 20

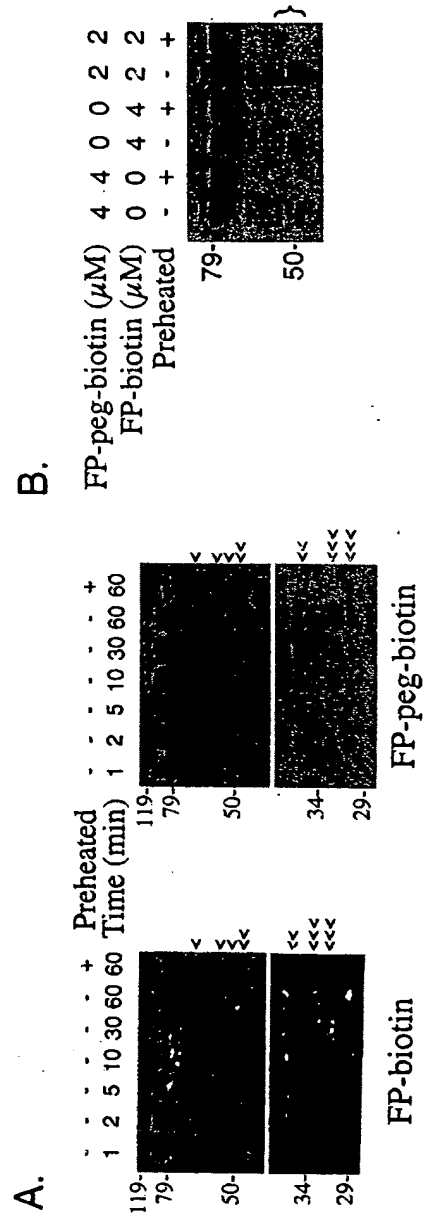


FIGURE 21

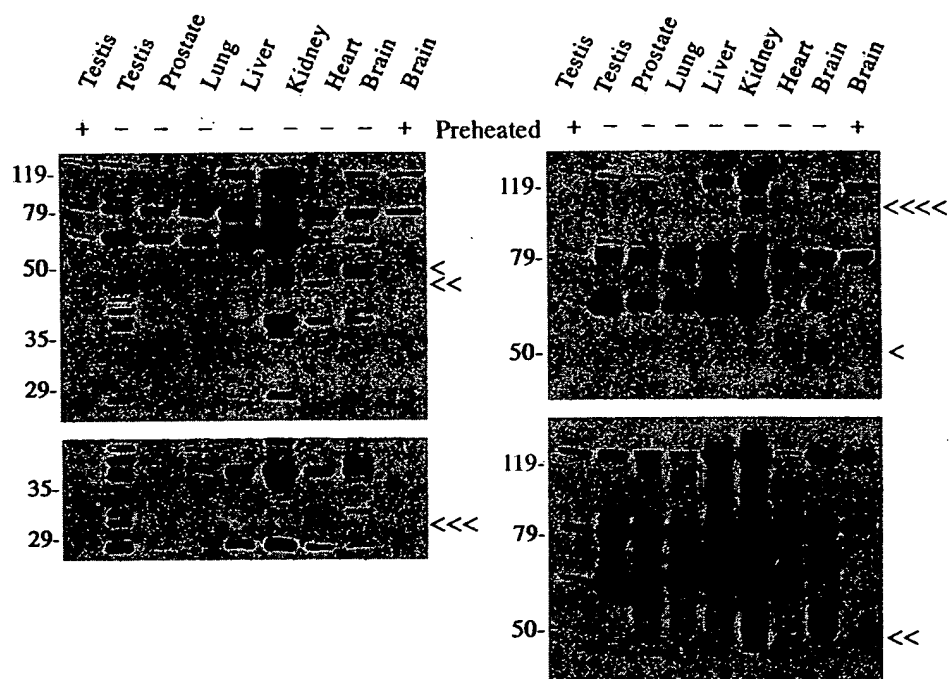


FIGURE 22

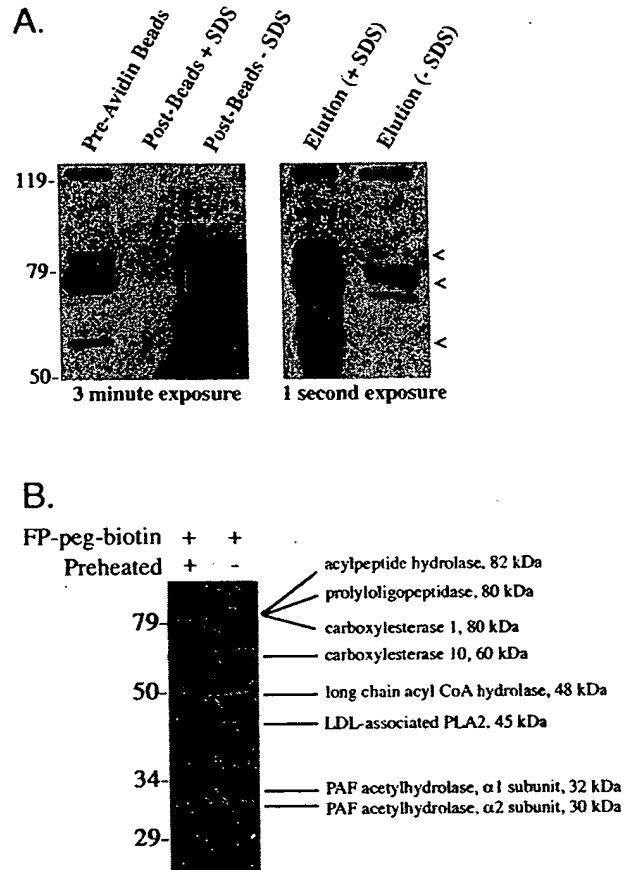


FIGURE 23